## $(X^{1})(X^{2})(X^{3})(X^{4})M^{1}$

wherein  $M^{1}$  is selected from the group consisting of titanium, zirconium, and hafnium, and

wherein  $(X^l)$  is independently selected from the group consisting of cyclopentadienyls, indenyls, fluorenyls, substituted cyclopentadienyls, substituted indenyls, and substituted fluorenyls, and

wherein substituents on said substituted cyclopentadienyls, substituted indenyls, and substituted fluorenyls are selected from the group consisting of aliphatic groups, cyclic groups, combinations of aliphatic and cyclic groups, and organometallic groups, and hydrogen; and

wherein (X³) and (X⁴) are independently selected from the group consisting of halides, aliphatic groups, cyclic groups, combinations of aliphatic and cyclic groups, and organometallic groups, and

wherein  $(X^2)$  is selected from the group consisting of cyclopentadienyls, indenyls, fluorenyls, substituted cyclopentadienyls, substituted indenyls, halides, aliphatic groups, cyclic groups, combinations of aliphatic and cyclic groups and organometallic groups, and

wherein said organoaluminum compound has the following general formula,

$$Al(X^5)_n(X^6)_{3n}$$

wherein  $(X^5)$  is a hydrocarbyl having from 1–20 carbon atoms, and wherein  $(X^6)$  is a halide, hydride, or alkoxide, and wherein "n" is a number from 1 to 3 inclusive;

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